S2. Tables of p-values for statistically significant differences for the data with an asterisk in Fig. 6 and 7

**Table A.** P-values for Fig. 6G

<table>
<thead>
<tr>
<th></th>
<th>CD44 bp</th>
<th>MDA</th>
<th>HCT116</th>
<th>U2OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>0.00013</td>
<td>0.00034</td>
<td>0.00110</td>
<td></td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00005</td>
<td>0.00157</td>
<td>0.00058</td>
<td></td>
</tr>
</tbody>
</table>

**Table B.** P-values for Fig. 6H

<table>
<thead>
<tr>
<th></th>
<th>CD44 bp</th>
<th>MDA</th>
<th>HCT116</th>
<th>U2OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>0.00011</td>
<td>0.00014</td>
<td>0.00170</td>
<td></td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00001</td>
<td>0.00016</td>
<td>0.00113</td>
<td></td>
</tr>
</tbody>
</table>

**Table C.** P-values for Fig. 6I

<table>
<thead>
<tr>
<th></th>
<th>CD44 bp</th>
<th>MDA</th>
<th>HCT116</th>
<th>U2OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>0.00100</td>
<td>0.00295</td>
<td>0.00801</td>
<td></td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00136</td>
<td>0.00278</td>
<td>0.00987</td>
<td></td>
</tr>
</tbody>
</table>

**Table D.** P-values for Fig. 6J

<table>
<thead>
<tr>
<th></th>
<th>CD44</th>
<th>EGFR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ctrl</td>
<td>0.00114</td>
<td>0.00356</td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00061</td>
<td>0.00332</td>
</tr>
</tbody>
</table>

**Table E.** P-values for Fig. 6K

<table>
<thead>
<tr>
<th></th>
<th>CD44</th>
<th>TGFβ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ctrl</td>
<td>0.00179</td>
<td>0.00374</td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00170</td>
<td>0.00221</td>
</tr>
</tbody>
</table>
### Table F. P-values for Fig. 6L

<table>
<thead>
<tr>
<th>CD44 bp</th>
<th>CD44</th>
<th>CD133</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ctrl</td>
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<td>0.00153</td>
</tr>
<tr>
<td>mCD44 bp</td>
<td>0.00106</td>
<td>0.00130</td>
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</tbody>
</table>

### Table G. P-values for Fig. 7A

<table>
<thead>
<tr>
<th></th>
<th>day 2</th>
<th>day 4</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 3</td>
<td>0.03905</td>
<td>0.04629</td>
<td>0.00536</td>
<td>0.00074</td>
</tr>
</tbody>
</table>

### Table H. P-values for Fig. 7B

<table>
<thead>
<tr>
<th></th>
<th>day 2</th>
<th>day 3</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 4</td>
<td>0.00018</td>
<td>0.03776</td>
<td>0.00090</td>
<td>0.00056</td>
</tr>
</tbody>
</table>

### Table I. P-values for Fig. 7D

<table>
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<th>day 3</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 4</td>
<td>0.00004</td>
<td>0.00003</td>
<td>0.00831</td>
<td>0.00023</td>
</tr>
</tbody>
</table>

### Table J. P-values for Fig. 7E

<table>
<thead>
<tr>
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<th>day 2</th>
<th>day 3</th>
<th>day 4</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 3</td>
<td>0.00053</td>
<td>_</td>
<td>_</td>
<td>0.00052</td>
<td>0.00059</td>
</tr>
<tr>
<td>day 4</td>
<td>0.00027</td>
<td>_</td>
<td>_</td>
<td>0.00035</td>
<td>0.00022</td>
</tr>
</tbody>
</table>

### Table K. P-values for Fig. 7F

<table>
<thead>
<tr>
<th></th>
<th>day 2</th>
<th>day 3</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 4</td>
<td>0.00110</td>
<td>0.00076</td>
<td>0.00225</td>
<td>0.00122</td>
</tr>
</tbody>
</table>

### Table L. P-values for Fig. 7G

<table>
<thead>
<tr>
<th></th>
<th>day 2</th>
<th>day 3</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 4</td>
<td>0.00116</td>
<td>0.00039</td>
<td>0.01801</td>
<td>0.00121</td>
</tr>
</tbody>
</table>

### Table M. P-values for Fig. 7H

<table>
<thead>
<tr>
<th></th>
<th>day 2</th>
<th>day 3</th>
<th>day 6</th>
<th>day 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>day 4</td>
<td>0.00116</td>
<td>0.00063</td>
<td>0.00094</td>
<td>0.00066</td>
</tr>
</tbody>
</table>
**Table N.** P-values for Fig. 7I

<table>
<thead>
<tr>
<th></th>
<th>2 kPa</th>
<th>25 kPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kPa</td>
<td>0.03858</td>
<td>0.00123</td>
</tr>
</tbody>
</table>

**Figure O.** P-values for Fig. 7K

<table>
<thead>
<tr>
<th></th>
<th>2 kPa</th>
<th>25 kPa</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kPa</td>
<td>0.00803</td>
<td>0.00440</td>
</tr>
</tbody>
</table>